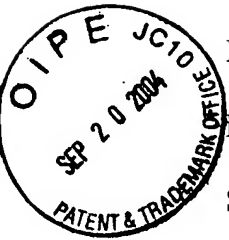


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re the Application of:

**RICHARD C. EDEN, et al.**

Serial No.: 10/730,963

Filed: December 8, 2003

For: HIGH TEMPERATURE  
SUPERCONDUCTING TUNABLE FILTER

Group Art Unit: 2817

Examiner: Benny T. Lee

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97–1.98, information relating to the above-identified application is hereby disclosed. The accompanying Form PTO SB/08A provides a listing of documents that may be relevant to the subject application.

It is requested that the Examiner fully consider the art cited in the accompanying Form PTO SB/08A, initial the left-most column of the form adjacent each cited reference, and return a copy for Applicants' records. It is further requested that the art be cited on the cover of any patent issuing from the subject application.

In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above, but before the mailing date of either a Final Action under

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(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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§1.113 or a Notice of Allowance under §1.311. Accordingly, the Commissioner is hereby authorized to charge Deposit Account No. 50-2862 for the requisite fee of \$180.00.

In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO/SB/08A are not enclosed herewith because they were previously cited by or submitted to the Patent and Trademark Office in prior copending or related applications for which a claim for priority under 35 U.S.C. §120 has been made in the instant application. Accordingly, Applicants will provide duplicate copies in respect of the present case only if the Examiner so desires.

This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made. Nor does this statement constitute an admission by Applicants or Applicants' agent that the information provided herein is necessarily prior art to Applicants' invention. Moreover, Applicants reserve the right to establish the patentability of the claimed invention over any of the listed documents should they be applied there-against as references. Please charge any deficiency or credit any overpayment to Deposit Account No. 50-2862.

Respectfully submitted,

O'MELVENY & MYERS LLP

Dated: 9/2/04

By: David B. Murphy  
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>	
			Application Number	10/730,963
			Filing Date	December 8, 2003
			First Named Inventor	Richard C. Eden, et al.
			Group Art Unit	2817
			Examiner Name	Benny T. Lee
			Attorney Docket Number	0844004-306

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number	Kind Code <sup>2</sup> (if known)		
	US-4912086		Enz et al	03/27/1990
	US-5099162		Sawada	03/24/1992
	US-5126317		Agarwala	06/30/1992
	US-5391543		Higaki et al	02/21/1995
	US-5604375		Findikoglu et al	02/18/1997
	US-5808527		De Los Santos	09/15/1990
	US-6016434		Mizuno et al	01/18/2000
	US-6049726		Gruenwald et al	04/11/2000
	US-6347237	B1	Eden et al	02/12/2002
	US-6437965	B1	Adkins et al	08/20/2002
	US-6441449	B1	Xu et al	08/27/2002

Examiner Initials*	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sub>6</sub>
	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	GB	2220526	B	Makimoto et al	04/15/1992	
	JP	63028103	A	Murata Mfg. Co. Ltd.	02/05/1988	Abstract
	JP	01117648	A	Epson Corp.	05/10/1989	Abstract

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	AMINOV, et al, "YBaCuO Disk Resonator Filters Operating at High Power", IEEE Transactions on Applied Superconductivity, 9, 2, June 1999.	
	HAMMOND et al, "Epitaxial T <sub>12</sub> CaBa <sub>2</sub> Cu <sub>2</sub> O <sub>8</sub> Thin Films with Low 9.6 GHz Surface Resistance at High Power and Above 77K", Appl. Phys. Lett. 57, 8, August 20, 1990, 825-827.	
	LOW, "Modeling of Three-Layer Piezoelectric Biomorph Beam With Hysteresis", Journal of Microelectromechanical Systems, 4, 4, December 1995, 230-237.	
	MINE, et al, "Characteristics of Mechanically Tunable Superconductive Resonators", Supercond. Sci. Technol. 15, 2002, 635-638.	
	MOECKLEY, et al, "Strontium Titanate Thin Films for Tunable Yba <sub>2</sub> Cu <sub>3</sub> , Microwave Filters", IEEE Transactions on Applied Superconductivity, 11, 1, March 2001, 450-453.	
	OATES, et al, "Magnetically Tunable Superconducting Resonators and Filters", IEEE Transactions on Applied Superconductivity, 9, 2, June 1999, 4170-4175.	
	SOARES, et al, "Optical Switching of HTS Band Reject Resonators", IEEE Transactions on Applied Superconductivity, 5, 2, June 1995, 2276-2278.	
	TERASHIMA, et al, "2HGz Tunable Superconducting Band-Pass Filter Using a Piezoelectric Bender", Physica C, 366, 2002, 183-189.	

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				Attorney Docket Number	0844004-306
Sheet	2	of	2		

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	XU, et al, "Active Tuning of High Frequency Resonators and Filters", IEEE Transactions on Applied Superconductivity, 11, 1, March 2001, 353-356.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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